


INFORMATION DISCLOSURE STATEMENT BY APPLICANT

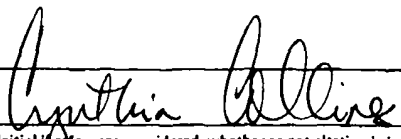
Attorney Docket Number	4810-56910
Application Number	09/733,507
Filing Date	December 8, 2000
First Named Inventor	Wang
Art Unit	1638
Examiner Name	Cynthia E. Collins


Examiner's Initials*	Cite No. (optional)	OTHER DOCUMENTS
cc ↓		Cho Jeong <i>et al.</i> , "The size and shape of plant leaf is controlled by cyclin D1 kinase and its novel inhibitor p22ack1," <i>FASEB J.</i> 15(4):A517, March 7, 2001
		Cockcroft <i>et al.</i> , "Cyclin D control of growth rate in plants," <i>Nature</i> 405:575-579, June 1, 2000
		de Boer and Murray, "Control of plant growth and development through manipulation of cell-cycle genes," <i>Curr. Opin. Biotech.</i> 11:138-145, 2000
		Genschik <i>et al.</i> , "Cell Cycle-Dependent Proteolysis in Plants: Identification of the Destruction Box Pathway and Metaphase Arrest Produced by the Proteasome Inhibitor MG132," <i>Plant Cell</i> 10:2063-2075, December 1998
		Mironov <i>et al.</i> , "Cyclin-Dependent Kinases and Cell Division in Plants - The Nexus," <i>Plant Cell</i> 11:509-521, April 1999
		Riou-Khamlichi <i>et al.</i> , "Cytokinin Activation of <i>Arabidopsis</i> Cell Division Through a D-Type Cyclin," <i>Science</i> 283:1541-1544, March 5, 1999
		Wang <i>et al.</i> , "Expression of the plant cyclin-dependent kinase inhibitor ICK1 affects cell division, plant growth and morphology," <i>Plant J.</i> 24(5):613-623, 2000

EXAMINER SIGNATURE: <i>Cynthia Collins</i>	DATE CONSIDERED: 10/29/03
* Examiner: Initial if reference considered, whether or not in conformance with MPEP 609. Draw line through cite if not in conformance and not considered. Include copy of this form with next communication to applicant.	


INFORMATION DISCLOSURE CITATION Form PTO-1449 (Modified) <i>(Use several sheets if necessary)</i>		ATTY. DOCKET NO. 81601-16	SERIAL NO. 09/733,507
		APPLICANT WANG, Hong <i>et al.</i>	
		FILING DATE December 8, 2000	GROUP 1638
U.S. PATENT DOCUMENTS			
Examiner Initial	Document Number	Date	Name
Class	Subclass	Filing Date If Appropriate	
FOREIGN PATENT DOCUMENTS			
Document Number	Date	Country	Class
Subclass	Translation		
OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)			
C1	Alberts B, Bray D, Lewis J, Raff M, Roberts K, Watson JD (1983) Molecular Biology of the Cell. Garland Publishing: New York, pp. 1139-1142		
C2	Bell MH, Halford NG, Ormrod JC, Francis D (1993) Tobacco plants transformed with cdc25, a mitotic inducer gene from fission yeast. Plant Mol Biol 23: 445-451		
C3	Brock TG, Kaufman PB (1991) Growth regulators: an account of hormones and growth regulation. In Growth and Development, Plant Physiology - A Treatise. Volume 10. Academic Press: San Diego, pp. 277-340		
C4	Colasanti J, Cho S-D, Wick S, Sundaresan V (1993) Localization of the functional p34 ^{cdc2} homolog of maize in root tip and stomatal complex cells: association with predicted vision sites. Plant Cell 5: 1101-1111		
C5	De Veylder L, Segers G, Glab N, Casteels P, Van Montagu M, Inzé D (1997) The Arabidopsis Cks1At protein binds the cyclin-dependent kinases Cdc2aAt and Cdc2bAt. FEBS Lett 412: 446-452		
C6	Doonan J, Fobert P (1997) Conserved and novel regulators of the plant cell cycle. Curr Opin Cell Biol 9: 824-830		
C7	Evans, M.L. (1984) Functions of hormones at the cellular level of organization. In Hormonal Regulation of Development II. Encyclopedia of Plant Physiology, New Series, Volume 10 (Scott T. K. ed.). Berlin: Springer-Verlag, pp. 23-79		
C8	Ferreira PCG, Hemerly AS, de Almeida Engler J, Van Montagu M, Engler G, Inzé D (1994) Developmental expression of the Arabidopsis cyclin gene cyc1At. Plant Cell 6: 1763-1774		
C9	Ferreira PCG, Hemerly AS, Villarroel R, Van Montagu M, Inzé D (1991) The Arabidopsis functional homolog of the p34 ^{cdc2} protein kinase. Plant Cell 3: 531-540		
C10	Francis D, Halford NG (1995) The plant cell cycle. Physiol Plant 93: 365-374		
C11	Gorst JR, John PCL, Sek FJ (1991) Levels of p34 ^{cdc2} -like protein in dividing, differentiating and dedifferentiating cells of carrot. Planta 185: 304-310		
C12	Graf G, Larkins BA (1995) Endoreduplication in maize endosperm: involvement of M phase-promoting factor inhibition and induction of S phase-related kinases. Science 269: 1262-1264		

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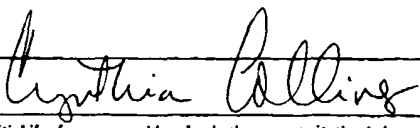
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U.S. PATENT DOCUMENTS			
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FOREIGN PATENT DOCUMENTS			
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OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)			
CC	C13	Hagege D (1993) Proto-oncogenes in plants: widespread conserved genes for which roles? Plant Physiol Biochem 31: 621-629	
	C14	Harper JW, Elledge SJ (1996) Cdk inhibitors in development and cancer. Curr Opin Genet Dev 6: 56-64	
	C15	Hemerly, A.S. et al. (1999) Cell Cycle Control and Plant Morphogenesis: is There an Essential Link, Bio Essays, Vol 21, pp 28-37	
	C16	Hemerly AS, Ferreira PCG, de Almeida Engler J, Van Montagu M, Engler G, Inzé D (1993) cdc2a expression in Arabidopsis thaliana is linked with competence for cell division. Plant Cell 5: 1711-1723	
	C17	Hemerly A, de Almeida Engler J, Bergounioux C, Van Montagu M, Engler G, Inzé D, Ferreira P (1995) Dominant negative mutants of the Cdc2 kinase uncouple cell division from iterative plant development. EMBO J 14: 3925-3936	
	C18	Hindley J, Phear GA (1984) Sequence of the cell division gene CDC2 from Schizosaccharomyces pombe: patterns of splicing and homology to protein kinases. Gene 31: 129-134	
	C19	Hirayama T, Imajuku Y, Anai T, Matsui M, Oka A (1991) Identification of two cell-cycle-controlling cdc2 gene homologs in Arabidopsis thaliana. Gene 105: 159-165	
	C20	Hirt H (1996) In and out of the plant cell cycle. Plant Molec Biol 31: 459-464	
	C21	Jacobs T (1997) Why do plant cells divide? Plant Cell 9: 1021-1029	
	C22	Jacobs TW (1995) Cell cycle control. Annu Rev Plant Physiol Plant Mol Biol 46: 317-339	
	C23	Kaplan DR, Hagemann W (1991) The relationship of cell and organism in vascular plants. BioScience 41: 693-703	
	C24	John PCL, Zhang K, Dong C, Diederich L, Wightman F (1993) p34 ^{cdc2} related proteins in control of cell cycle progression, the switch between division and differentiation in tissue development, and stimulation of division by auxin and cytokinin. Aust J Plant Physiol 20: 503-526	
↓	C25	Lees E (1995) Cyclin-dependent kinase regulation. Curr Opin Cell Biol 7: 773-780	

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FOREIGN PATENT DOCUMENTS					
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OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)					
CC	C26	Lindsey, K. and Topping, J. (1998) On the Relationship Between the Plant Cell and the Plant. Vol. 9, pp 171-177			
	C27	Lorincz AT, Reed SI (1984) Primary structure homology between the product of yeast cell division control gene CDC28 and vertebrate oncogenes. <i>Nature</i> 307: 183-185			
	C28	Luscher B, Eisenman RN (1990) New light on Myc and Myb. Part II. <i>Myb. Genes Dev</i> 4: 2235-2241			
	C29	Martin C, Paz-Ares J (1997) MYB transcription factors in plants. <i>Trends Genet</i> 13: 67-73			
	C30	Martinez MC, Jorgensen JE, Lawton MA, Lamb CJ, Doerner PW (1992) Spatial pattern of cdc2 expression in relation to meristem activity and cell proliferation during plant development. <i>Proc Natl Acad Sci USA</i> 89: 7360-7364			
	C31	Meyerowitz EM (1997) Genetic control of cell division patterns in developing plants. <i>Cell</i> 88: 299-308			
	C32	Miao G-H, Hong Z, Verma DPS (1993) Two functional soybean genes encoding p34 ^{cdc2} protein kinases are regulated by different plant developmental pathways <i>Proc Natl Acad Sci USA</i> 90: 943-947			
	C33	Mineyuki Y, Yamashita M, Nagahama Y (1991) p34 ^{cdc2} kinase homologue in the preprophase band. <i>Protoplasma</i> 162: 182-186			
	C34	Mizoguchi T, Gotoh Y, Nishida E, Yamaguchi-Shinozaki K, Hayashida N, Iwasaki T, Kamada H, Shinozaki K (1994) Characterization of two cDNAs that encode MAP kinase homologues in <i>Arabidopsis thaliana</i> and analysis of the possible role of auxin in activating such kinase activities in cultured cells. <i>Plant J</i> 5: 111-122			
	C35	Parker JE, Coleman MJ, Szabo V, Frost LN, Schmidt R, van der Biezen EA, Moores T, Dean C, Daniels MJ, Jones JD (1997) The <i>Arabidopsis</i> downy mildew resistance gene RPP5 shares similarity to the toll and interleukin-1 receptors with N and L6. <i>Plant Cell</i> 9: 879-894			
	C36	Pines J (1995) Cyclins and cyclin-dependent kinases: a biochemical view. <i>Biochem J</i> 308: 697-711			

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FOREIGN PATENT DOCUMENTS					
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OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)					
CC	C37	Renaudin J-P, Doonan JH, Freeman D, Hashimoto J, Hirt H, Inz D, Jacobs T, Kouchi H, Rouz P, Sauter M, Saviour A, Sorrell DA, Sundaresan V, Murray JAH (1996) Plant Cyclins: a unified nomenclature for plant A-, B- and D-type cyclins based on sequence organization. Plant Mol Biol 32: 1003-1018			
	C38	Sauter M, Mekhedov SL, Kende H (1995) Gibberellin promotes histone H1 kinase activity and the expression of cdc2 and cyclin genes during the induction of rapid growth in deepwater rice internodes. Plant J 7: 623-632			
	C39	Segers G, Gadisseur I, Bergounioux C, de Almeida Engler J, Jacquard A, Van Montagu M, Inzé D (1996) The Arabidopsis cyclin-dependent kinase gene cdc2bAt is preferentially expressed during S and G2 phases of the cell cycle. Plant J 10: 601-612			
	C40	Sherr CJ, Roberts JM (1995) Inhibitors of mammalian G1 cyclin-dependent kinases. Genes Dev 9: 1149-1163			
	C41	Soni R, Carmichael JP, Shah ZH, Murray JAH (1995) A family of cyclin D homologs from plants differentially controlled by growth regulators and containing the conserved retinoblastoma protein interaction motif. Plant Cell 7: 85-103			
↓	C42	Wang H, Datla R, Georges F, Loewen M, Cutler AJ (1995) Promoters from kin1 and cor6.6, two homologous Arabidopsis thaliana genes: transcriptional regulation and gene expression induced by low temperature, ABA, osmoticum and dehydration. Plant Mol Biol 28: 605-617			

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